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MECADEZ CORE TECHNOLOGIES PRIVATE LIMITED
PROJECT MANAGEMENT & CONSULTANCY SERVICES

Test Report
Rate of Spread of Prime Coat

Project Name	PACKAGE 5(1) Improvements of Road Adjacent to Yelahanka Lake From Kenchanahalli to Chowdeshwari temple in Ward No.2. 2)Improvements and Asplating to New post office Main Road and cross roads in Ward no 01. 3)Improvements and Asplating to suggappa layout cross roads in ward No 01. 4)Improvements and Asplating to Shanimahathma swamy temple road and surabi layout 2nd Main and cross Roads in ward No 01. 5)Asplating to Balance Roads in A & B Sector of Yelahanka New Town in Ward No 04)
Client	Executive Engineer Project Yellahanka Division
Job No	MCTPL/BBMP/Project Division Yelahanka ZONE /P-5/1/2017-2018
Mix Type	Wet Mix Macadam
Contractor	Sri. R.LOKESH
Location	At Site
Material	Bitumen
Sample No	7
Date	6-Apr-2018

Sl. No.	Determination	Unit	Test No 1		
			Longitudinal Distribution		
1	Size of Plate (mxn)	m ²	0.2x0.2	0.2x0.2	0.2x0.2
2	Area of the Plate (a)	m ²	0.04	0.04	0.04
3	Initial weight of the empty Plate (b)	kg	1.641	1.641	1.641
4	Final weight of plate after application of Tack Coat (c)	kg	1.694	1.655	1.654
5	Weight of Prime coat/ Tack Coat (d = c-b)	kg	0.053	0.014	0.013
6	Rate of spread (d/a)	kg / m ²	1.325	0.35	0.325
7	Average	kg / m ²	0.667		
8	Specified Limit	kg / m ²	Not less than 0.6 kg / m ²		

Results: Rate of Spread of Prime Coat / Tack Coat is: 0.667 kg / m²

Note:

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Bangalore



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Test Report
Rate of Spread of Prime Coat

Project Name	PACKAGE 5(1) Improvements of Road Adjacent to Yelahanka Lake From Kenchanahalli to Chowdeshwari temple in Ward No.2. 2)Improvements and Asplating to New post office Main Road and cross roads in Ward no 01. 3)Improvements and Asplating to suggappa layout cross roads in ward No 01. 4)Improvements and Asplating to Shanimahathma swamy temple road and surabi layout 2nd Main and cross Roads in ward No 01. 5)Asplating to Balance Roads in A & B Sector of Yelahanka New Town in Ward No 04)
Client	Executive Engineer Project Yellahanka Division
Job No	MCTPL/BBMP/Project Division Yelahanka ZONE /P-5/1/2017-2018
Mix Type	Wet Mix Macadam
Contractor	Sri. R.LOKESH
Location	At Site
Material	Bitumen
Sample No	8
Date	6-Apr-2018

Sl. No.	Determination	Unit	Test No 1		
			Longitudinal Distribution		
1	Size of Plate (mxn)	m ²	0.2x0.2	0.2x0.2	0.2x0.2
2	Area of the Plate (a)	m ²	0.04	0.04	0.04
3	Initial weight of the empty Plate (b)	kg	1.641	1.641	1.641
4	Final weight of plate after application of Tack Coat (c)	kg	1.695	1.654	1.651
5	Weight of Prime coat/ Tack Coat (d = c-b)	kg	0.054	0.013	0.01
6	Rate of spread (d/a)	kg / m ²	1.350	0.325	0.250
7	Average	kg / m ²	0.642		
8	Specified Limit	kg / m ²	Not less than 0.6 kg / m ²		

Results: Rate of Spread of Prime Coat / Tack Coat is: 0.642 kg / m²

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Test Report Rate of Spread of Prime Coat

Project Name	PACKAGE 5(1) Improvements of Road Adjacent to Yelahanka Lake From Kenchanahalli to Chowdeshwari temple in Ward No.2. 2)Improvements and Asplating to New post office Main Road and cross roads in Ward no 01. 3)Improvements and Asplating to suggappa layout cross roads in ward No 01. 4)Improvements and Asplating to Shanimahathma swamy temple road and surabi layout 2nd Main and cross Roads in ward No 01. 5)Asplating to Balance Roads in A & B Sector of Yelahanka New Town in Ward No 04)
Client	Executive Engineer Project Yellahanka Division
Job No	MCTPL/BBMP/Project Division Yelahanka ZONE /P-5/1/2017-2018
Mix Type	Wet Mix Macadam
Contractor	Sri. R.LOKESH
Location	At Site
Material	Bitumen
Sample No	9
Date	6-Apr-2018

Sl. No.	Determination	Unit	Test No 1		
			Longitudinal Distribution		
1	Size of Plate (mxn)	m ²	0.2x0.2	0.2x0.2	0.2x0.2
2	Area of the Plate (a)	m ²	0.04	0.04	0.04
3	Initial weight of the empty Plate (b)	kg	1.641	1.641	1.641
4	Final weight of plate after application of Tack Coat (c)	kg	1.695	1.656	1.653
5	Weight of Prime coat/ Tack Coat (d = c-b)	kg	0.054	0.015	0.012
6	Rate of spread (d/a)	kg / m ²	1.350	0.375	0.300
7	Average	kg / m ²	0.675		
8	Specified Limit	kg / m ²	Not less than 0.6 kg / m ²		

Results: Rate of Spread of Prime Coat / Tack Coat is: 0.675 kg / m²

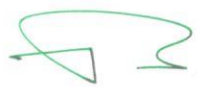
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Test Report Aggregate Impact Value

Project Name	PACKAGE 5(1) Improvements of Road Adjacent to Yelahanka Lake From Kenchanahalli to Chowdeshwari temple in Ward No.2. 2)Improvements and Asplating to New post office Main Road and cross roads in Ward no 01. 3)Improvements and Asplating to suggappa layout cross roads in ward No 01. 4)Improvements and Asplating to Shanimahathma swamy temple road and surabi layout 2nd Main and cross Roads in ward No 01. 5)Asplating to Balance Roads in A & B Sector of Yelahanka New Town in Ward No 04)
Client	Executive Engineer Project Yellahanka Division
Job No	MCTPL/BBMP/Project Division Yelahanka ZONE /P-5/1/2017-2018
Mix Type	Wet Mix Macadam
Contractor	Sri. R.LOKESH
Material	Coarse Aggregate
Test Method	IS : 2386 (Part - 4) 1963 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	At Site
Sample No	1
Date	31-Mar-2018

Sl. No.	Determination	Unit	Trails	
1	Weight of empty cylinder, w1	gm	960	960
2	Weight of container filled with Aggregate, w2	gm	1308	1307
3	Weight of the Aggregate before compaction, (w2 - w1) = w3	gm	348	347
4	Weight of the sample passing through 2.36 mm IS sieves after Impact, w4	gm	83	82
5	Weight of the sample retained on 2.36 mm IS sieve after Impact, w5	gm	265	265
6	Aggregate Impact Value (w4 / w3)x100	%	23.85	23.63
7	Specified Limit	%	30	

Results: Average Aggregate Impact Value: **23.74 %**

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Test Report Aggregate Impact Value

Project Name	PACKAGE 5(1) Improvements of Road Adjacent to Yelahanka Lake From Kenchanahalli to Chowdeshwari temple in Ward No.2. 2)Improvements and Asplating to New post office Main Road and cross roads in Ward no 01. 3)Improvements and Asplating to suggappa layout cross roads in ward No 01. 4)Improvements and Asplating to Shanimahathma swamy temple road and surabi layout 2nd Main and cross Roads in ward No 01. 5)Asplating to Balance Roads in A & B Sector of Yelahanka New Town in Ward No 04)
Client	Executive Engineer Project Yellahanka Division
Job No	MCTPL/BBMP/Project Division Yelahanka ZONE /P-5/1/2017-2018
Mix Type	Wet Mix Macadam
Contractor	Sri. R.LOKESH
Test Method	IS : 2386 (Part - 4) 1963 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	At Site
Material	Coarse Aggregate
Sample No	2
Date	31-Mar-2018

Sl. No.	Determination	Unit	Trails	
1	Weight of empty cylinder, w1	gm	960	960
2	Weight of container filled with Aggregate, w2	gm	1313	1312
3	Weight of the Aggregate before compaction, (w2 - w1) = w3	gm	353	352
4	Weight of the sample passing through 2.36 mm IS sieves after Impact, w4	gm	81	80
5	Weight of the sample retained on 2.36 mm IS sieve after Impact, w5	gm	272	272
6	Aggregate Impact Value (w4 / w3) x 100	%	22.95	22.73
7	Specified Limit	%	30	

Results: Average Aggregate Impact Value: **22.84 %**

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Test Report Aggregate Impact Value

Project Name	PACKAGE 5(1) Improvements of Road Adjacent to Yelahanka Lake From Kenchanahalli to Chowdeshwari temple in Ward No.2. 2)Improvements and Asplating to New post office Main Road and cross roads in Ward no 01. 3)Improvements and Asplating to suggappa layout cross roads in ward No 01. 4)Improvements and Asplating to Shanimahathma swamy temple road and surabi layout 2nd Main and cross Roads in ward No 01. 5)Asplating to Balance Roads in A & B Sector of Yelahanka New Town in Ward No 04)
Client	Executive Engineer Project Yellahanka Division
Job No	MCTPL/BBMP/Project Division Yelahanka ZONE /P-5/1/2017-2018
Mix Type	Wet Mix Macadam
Contractor	Sri. R.LOKESH
Test Method	IS : 2386 (Part - 4) 1963 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	At Site
Material	Coarse Aggregate
Sample No	3
Date	1-Apr-2018

Sl. No.	Determination	Unit	Trails	
1	Weight of empty cylinder, w1	gm	960	960
2	Weight of container filled with Aggregate, w2	gm	1318	1317
3	Weight of the Aggregate before compaction, (w2 - w1) = w3	gm	358	357
4	Weight of the sample passing through 2.36 mm IS sieves after Impact, w4	gm	79	78
5	Weight of the sample retained on 2.36 mm IS sieve after Impact, w5	gm	279	279
6	Aggregate Impact Value (w4 / w3)x100	%	22.07	21.85
7	Specified Limit	%	30	

Results: Average Aggregate Impact Value: **21.96 %**

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Test Report Aggregate Particle Shape

Project Name	PACKAGE 5(1) Improvements of Road Adjacent to Yelahanka Lake From Kenchanahalli to Chowdeshwari temple in Ward No.2. 2)Improvements and Asplating to New post office Main Road and cross roads in Ward no 01. 3)Improvements and Asplating to suggappa layout cross roads in ward No 01. 4)Improvements and Asplating to Shanimahathma swamy temple road and surabi layout 2nd Main and cross Roads in ward No 01. 5)Asplating to Balance Roads in A & B Sector of Yelahanka New Town in Ward No 04)
Client	Executive Engineer Project Yellahanka Division
Job No	MCTPL/BBMP/Project Division Yelahanka ZONE /P-5/1/2017-2018
Mix Type	Wet Mix Macadam
Contractor	Sri. R.LOKESH
Test Method	IS : 2386 (Part - 1) 1963 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	At site
Material	Coarse Aggregates
Sample No	1
Date	31-Mar-2018

I.S. Sieves Size		Weight of Retained Sample on Each Sieve (minimum 200 Pieces) (gm)	Flakiness Index		Elongation Index	
Passing through IS Sieves (mm)	Retained on IS Sieves (mm)		Thickness Gauge	Weight of Aggregates in each fraction passing on thickness gauges (gm)	Length Gauge	Weight of Aggregates in Fraction retained on length gauges (gm)
63	50	0	33.9	0	-	0
50	40	0	27	0	81	0
40	25	25	19.5	0	58.5	0
31.5	25	35	16.95	0	-	0
25	20	1559	13.5	239	40.5	257
20	16	1448	10.8	127	32.4	154
16	12.5	953	8.55	148	25.6	155
12.5	10	469	6.75	71	20.2	77
10	6.3	231	4.89	53	14.7	60
SW		4720	SWf	638	SWe	703

Flakiness Index 13.52 %

Elongation Index 14.89 %

Combined Flakiness and Elongation Indices : 28.41 %

Comments: Maximum allowable Combined Flakiness and Elongation Indices for WMM is 35%

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(Signature)
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Bangalore

Test Report Aggregate Particle Shape

Project Name	PACKAGE 5(1) Improvements of Road Adjacent to Yelahanka Lake From Kenchanahalli to Chowdeshwari temple in Ward No.2. 2)Improvements and Asplating to New post office Main Road and cross roads in Ward no 01. 3)Improvements and Asplating to suggappa layout cross roads in ward No 01. 4)Improvements and Asplating to Shanimahathma swamy temple road and surabi layout 2nd Main and cross Roads in ward No 01. 5)Asplating to Balance Roads in A & B Sector of Yelahanka New Town in Ward No 04)
Client	Executive Engineer Project Yellahanka Division
Job No	MCTPL/BBMP/Project Division Yelahanka ZONE /P-5/1/2017-2018
Mix Type	Wet Mix Macadam
Contractor	Sri. R.LOKESH
Test Method	IS : 2386 (Part - 1) 1963 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	At site
Material	Coarse Aggregates
Sample No	2
Date	31-Mar-2018

I.S. Sieves Size		Weight of Retained Sample on Each Sieve (minimum 200 Pieces) (gm)	Flakiness Index		Elongation Index	
Passing through IS Sieves (mm)	Retained on IS Sieves (mm)		Thickness Gauge	Weight of Aggregates in each fraction passing on thickness gauges (gm)	Length Gauge	Weight of Aggregates in Fraction retained on length gauges (gm)
63	50	0	33.9	0	-	0
50	40	0	27	0	81	0
40	25	27	19.5	0	58.5	0
31.5	25	37	16.95	0	-	0
25	20	1569	13.5	249	40.5	267
20	16	1430	10.8	109	32.4	136
16	12.5	963	8.55	158	25.6	165
12.5	10	479	6.75	81	20.2	87
10	6.3	241	4.89	63	14.7	70
SW		4746	SWf	660	SWe	725

Flakiness Index 13.91 %

Elongation Index 15.28 %

Combined Flakiness and Elongation Indices : 29.18 %

Comments: Maximum allowable Combined Flakiness and Elongation Indices for WMM is 35%

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Test Report
Aggregate Particle Shape

Project Name	PACKAGE 5(1) Improvements of Road Adjacent to Yelahanka Lake From Kenchanahalli to Chowdeshwari temple in Ward No.2. 2)Improvements and Asplating to New post office Main Road and cross roads in Ward no 01. 3)Improvements and Asplating to suggappa layout cross roads in ward No 01. 4)Improvements and Asplating to Shanimahathma swamy temple road and surabi layout 2nd Main and cross Roads in ward No 01. 5)Asplating to Balance Roads in A & B Sector of Yelahanka New Town in Ward No 04)
Client	Executive Engineer Project Yellahanka Division
Job No	MCTPL/BBMP/Project Division Yelahanka ZONE /P-5/1/2017-2018
Mix Type	Wet Mix Macadam
Contractor	Sri. R.LOKESH
Test Method	IS : 2386 (Part - 1) 1963 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	At site
Material	Coarse Aggregates
Sample No	3
Date	31-Mar-2018

I.S. Sieves Size		Weight of Retained Sample on Each Sieve (minimum 200 Pieces) (gm)	Flakiness Index		Elongation Index	
Passing through IS Sieves (mm)	Retained on IS Sieves (mm)		Thickness Gauge	Weight of Aggregates in each fraction passing on thickness gauges (gm)	Length Gauge	Weight of Aggregates in Fraction retained on length gauges (gm)
63	50	0	33.9	0	-	0
50	40	0	27	0	81	0
40	25	22	19.5	0	58.5	0
31.5	25	32	16.95	0	-	0
25	20	1555	13.5	235	40.5	253
20	16	1425	14.5	104	41.5	131
16	12.5	924	15.5	119	42.5	126
12.5	10	455	16.5	57	43.5	63
10	6.3	255	17.5	77	44.5	84
SW		4668	SWf	592	SWe	657

Flakiness Index 12.68 %

Elongation Index 14.07 %

Combined Flakiness and Elongation Indices : 26.76 %

Comments: Maximum allowable Combined Flakiness and Elongation Indices for WMM is 35%

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Test Report Aggregate Particle Shape

Project Name	PACKAGE 5(1) Improvements of Road Adjacent to Yelahanka Lake From Kenchanahalli to Chowdeshwari temple in Ward No.2. 2)Improvements and Asplating to New post office Main Road and cross roads in Ward no 01. 3)Improvements and Asplating to suggappa layout cross roads in ward No 01. 4)Improvements and Asplating to Shanimahathma swamy temple road and surabi layout 2nd Main and cross Roads in ward No 01. 5)Asplating to Balance Roads in A & B Sector of Yelahanka New Town in Ward No 04)
Client	Executive Engineer Project Yellahanka Division
Job No	MCTPL/BBMP/Project Division Yelahanka ZONE /P-5/1/2017-2018
Mix Type	Wet Mix Macadam
Contractor	Sri. R.LOKESH
Test Method	IS : 2386 (Part - 1) 1963 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Location	At site
Material	Coarse Aggregates
Sample No	4
Date	1-Apr-2018

I.S. Sieves Size		Weight of Retained Sample on Each Sieve (minimum 200 Pieces) (gm)	Flakiness Index		Elongation Index	
Passing through IS Sieves (mm)	Retained on IS Sieves (mm)		Thickness Gauge	Weight of Aggregates in each fraction passing on thickness gauges (gm)	Length Gauge	Weight of Aggregates in Fraction retained on length gauges (gm)
63	50	0	33.9	0	-	0
50	40	0	27	0	81	0
40	25	27	19.5	0	58.5	0
31.5	25	37	16.95	0	-	0
25	20	1525	13.5	205	40.5	223
20	16	1420	10.8	99	32.4	126
16	12.5	935	8.55	130	25.6	137
12.5	10	440	6.75	42	20.2	48
10	6.3	260	4.89	82	14.7	89
SW		4644	SWf	558	SWe	623

Flakiness Index 12.02 %

Elongation Index 13.42 %

Combined Flakiness and Elongation Indices : 25.43 %

Comments: Maximum allowable Combined Flakiness and Elongation Indices for WMM is 35%

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